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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 10161932

(43)Date of publication of application: 19.06.1998

(51)Int.Cl.

GO6F 12/08
GO6F 12/12

(21)Application number: 08319624

(22)Date of filing: 29.11.1996
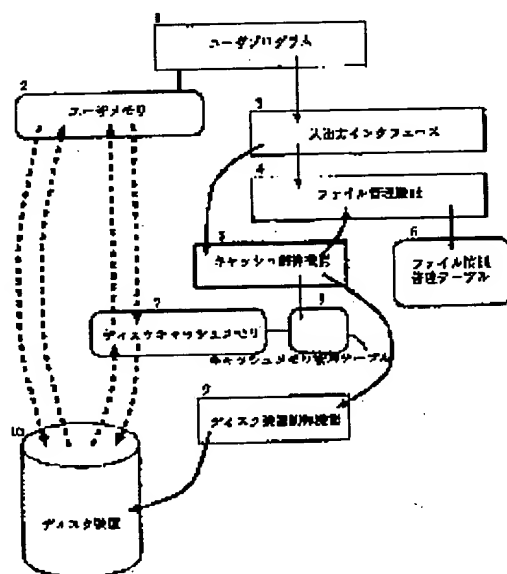
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(72)Inventor: OKONOGI TAKAHIRO

(54) DISK CACHE CONTROL SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the hit rate of disk cache and to shorten the input/output processing time.
SOLUTION: When data for a user program 1 to request input are stored in a disk cache memory 7, these data are read out of the dish cache memory 7 and applied to the user program 1 by a cache control means 5 but when these data are not stored, they are read out of a file and applied to the user program 1. When it is judged while referring to input/output history information in the past to data in the file that possibility for data read out of the disk cache memory 7 to be inputted/outputted again is high the cache control means 5 improves the resident degree of these data in the disk cache memory 7. When the possibility for the data read out of the file to be inputted/outputted again is judged high, these data are stored in the disk cache memory 7.

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